



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2001124699 A**(43) Date of publication of application: **11.05.01**

(51) Int. Cl.

G01N 21/78
C09B 7/02
C09B 17/02
C09B 21/00
F22B 37/00
G01N 21/77
G01N 31/00
G01N 31/22
G01N 33/18

(21) Application number: **11306161**(22) Date of filing: **28.10.99**(71) Applicant: **MIURA CO LTD MIURA INST OF
RESEARCH & DEVELOPMENT CO
LTD**(72) Inventor: **NAKAJIMA JUNICHI
MIZOGAMI KEITA
UKIANA YUJI**(54) **INDICATOR FOR MEASURING DISSOLVED
OXYGEN CONCENTRATION**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an indicator for measuring dissolved oxygen concentration with high thermal stability and reasonable reactivity between a coloring matter and a reducing agent, not too strong nor too weak, which detects the presence of dissolved oxygen according to color density based on the color at the time when the concentration of dissolved oxygen is 0, which dissolves even after reduction of coloring matter, and which permits confirmation of differences in color development by

a spectrophotometer within the range of 0.05 ppm through 5.0 ppm of dissolved oxygen concentration after such materials affecting color development are removed.

SOLUTION: This indicator for measuring dissolved oxygen concentration comprises coloring matters as methylene blue or indigo carmine; a reducing agent containing sulfur with valency of III or IV, a reducing agent containing at least one of a stannic chloride and a borohydride; a residual chlorine dissolving agent; a masking agent; and a solvent.

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